Combat Systems
Where We Are…
Where We're Going…

22 Sep 2005

Larry D. Hollingsworth
Colonel, Infantry
Project Manager

PROJECT MANAGER
COMBAT SYSTEMS

Make A Difference Everyday!

Purpose

Orient you on the Ground Combat Component of the HBCT

HBCT Fleet Strategy

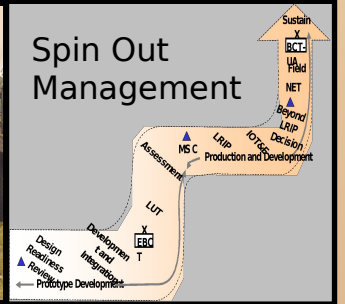
Modularize

Sustain

Modernize

The Future

Program Executive Office Ground Combat Systems

Stryker Brigade Combat Team	Combat Systems	Joint Robotics Systems (Army & Marine)	Joint Lightweight Howitzer 155mm (Army & Marine)	Modular Brigade Enhancements
	• Abrams Tank • Bradley Fighting Vehicle • Paladin / FAASV • M113			
				

PEO GCS maintains a total Army perspective in managing the development, acquisition, testing, systems integration, product improvement, and fielding that places the best ground combat systems in the hands of our soldiers

Mission

Deliver, Sustain and modernize combat power for the **Army's Heavy Brigade Combat Team formations**

Army's Executive Agent for Life Cycle Management of the **Abrams, Bradley, M113, M109, and Knight** family of vehicles. Our fleet management responsibilities include the design, development, production and fielding of safe, reliable, and lethal ground combat systems

Our current focus ***Supports Deployed Forces, Modularity, Reset, Recapitalization, Leave Behind Maintenance and Spin-Out Technology Insertion***

Support the Fight ** Sustain the Fleet ** Build the Future

PM Combat Systems Leadership

Combat Systems
PM COL Larry Hollingsworth
DPM Mr. Michael Asada

Abrams
PM LTC Michael Flanagan
DPM Mr. Michael Martell

Bradley / M113
PM LTC Andres Contreras
DPM Mr. Ed Lewis

Fire Support
PM LTC Pete Reyneirse
DPM Mr. Marlin Carlsen

Current Priorities

Execute Reset for HBCT Platforms

Execute Modularity

Bradley-Abrams-Paladin Durability - Reliability
(Bradley Transmission and Abrams Engine)

Process Improvement

Right-size the Organization

Our #1 Priority is to Support Units Engaged in GWOT and those Units Preparing to

The Systems We Manage

6,046 Abrams FoV

M1A1
M1A1 AIM

M109A6 Paladin

1,895 Paladins/ FAASVs

M992A2 (FAASV)

M104 Wolverine

M7 BFIST

M1A2 SEP

M3A3 BFIST

M2/3A2
M2/3A2 ODS

M1068 A3

M2/3A3

M113A3

28,293 Platforms

6,659 Bradley FoV

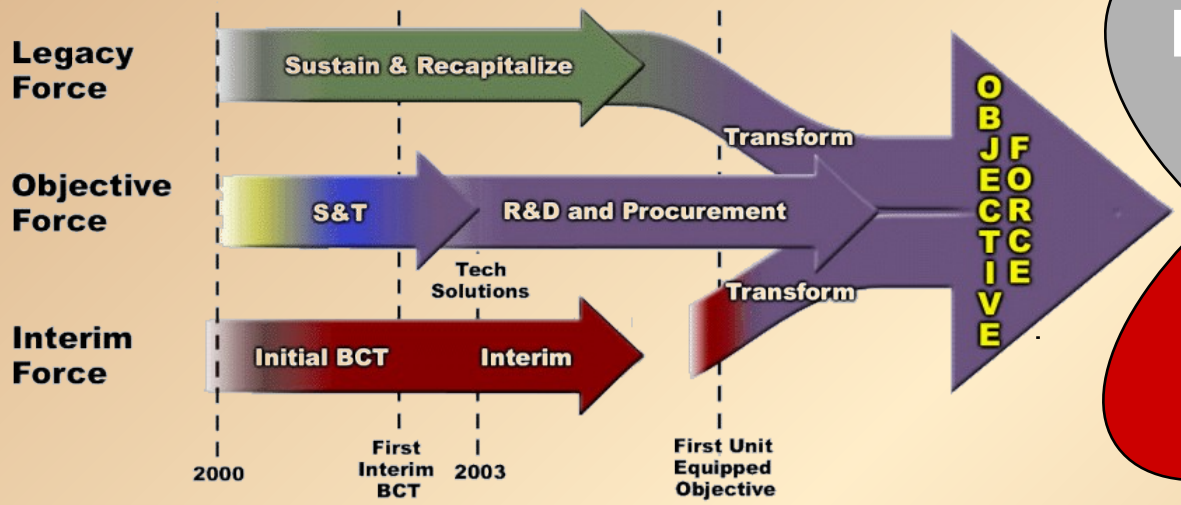
13,693 M113 FoV

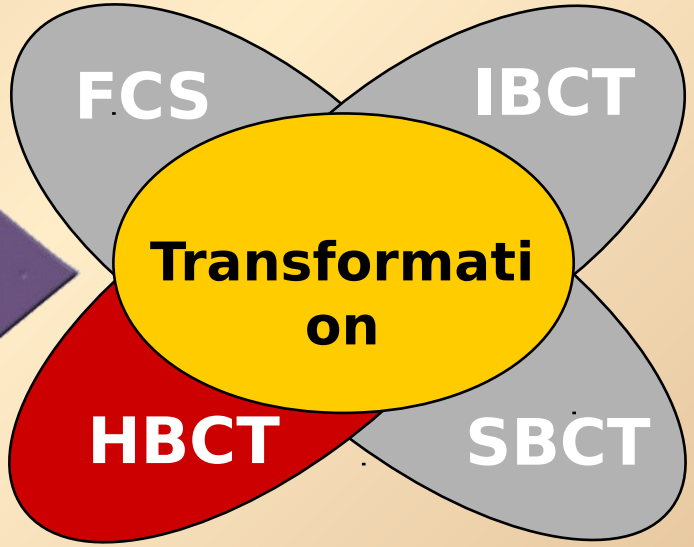
BCV
ODS
BCV A3

C2V2

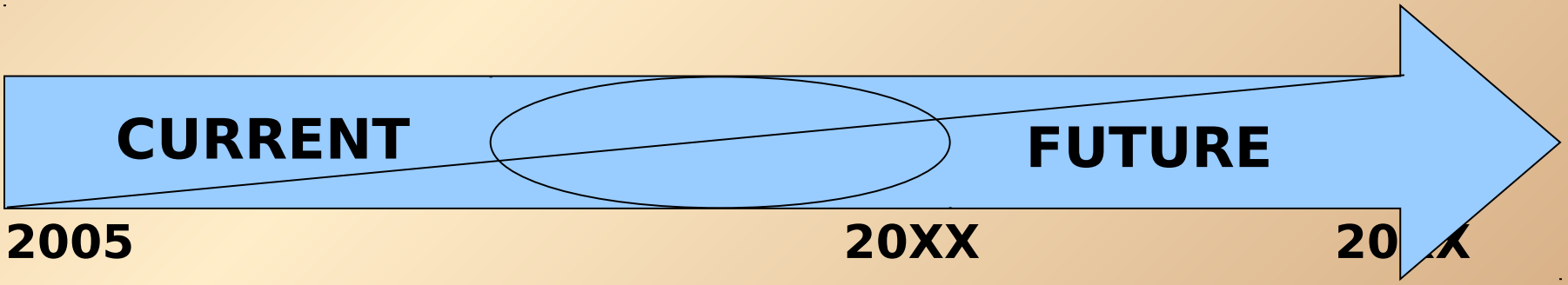
M577A3

Transformation





- **Integrates Heavy, Light, Stryker BCTs and FCS**
- **Delivers Complimentary War Fighting Capability**



Life Cycle Management within the Heavy Brigade Combat Team

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Life Cycle Management Command

AMC

Depot

Industry

Unit

RDECOM

G3 G8 G4

Schedule

Risk

PM

Cost

Performance

Modernize

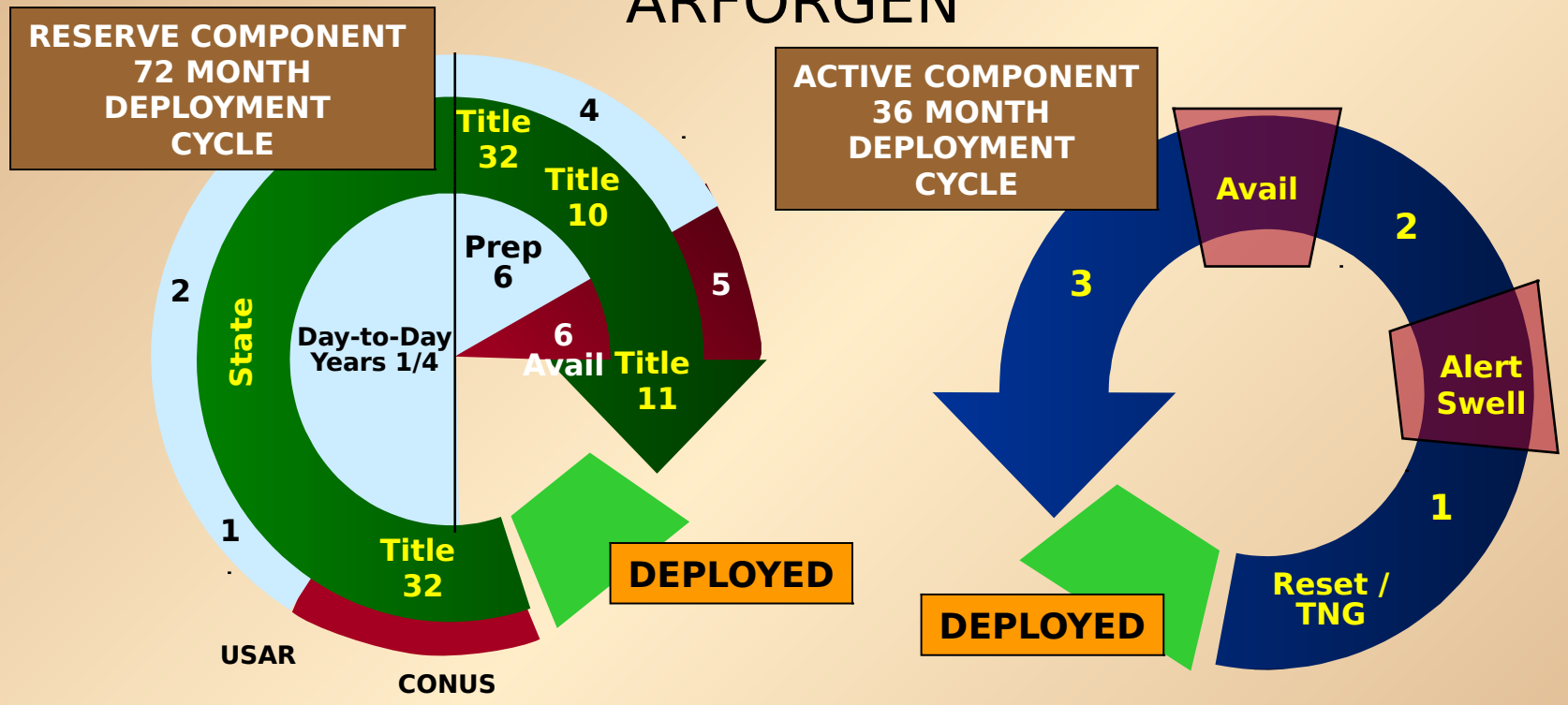
Sustain

Modernize

One Team One Vision

Army Forces Generation Model

ARFORGEN



Synchronizes the Right Force Mix with the Right Equipment Mix at the Right Time

PM Objective is to "ONLY TOUCH THE UNIT ONCE"

HBCT Fleet Strategy

Commonality
Power Management
Tiger Engine
Bradley
Transmission
Digital Fire Control
Lethality
FCS Spin Outs

Modernize

OPTEMPO

STRESS STUDY

Heavy Brigade Combat Team

Sustain

Modularize

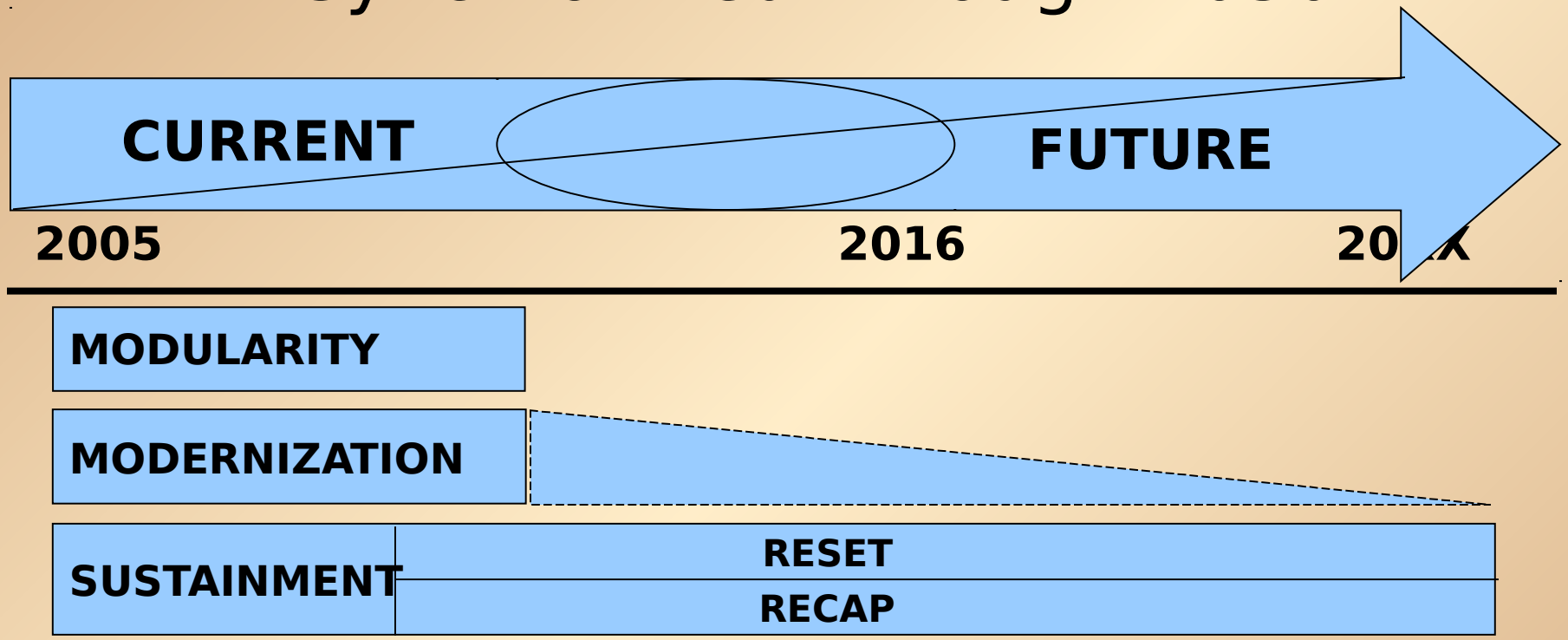
AGING FLEET

RESET
RECAP
Leave Behind Equip
Stay Behind
Maintenance

ARMY CAMPAIGN PLAN

	FY04	FY05	FY06	FY07	FY08	FY09	FY10
UEx							
BCT (UA)							
UEx							
UAs							
RESERVE							
STRYKER	SBCT2	SBCT3	SBCT4	SBCT5	SBCT6		
Aviation							
FCS					Spin Out		Spin Out

Synchronized Through 2050



- **Requires Partnerships with Industry, FORSCOM and AMC**
- **Requires Centralized Management and Oversight**
- **Leverages Centralized Funds Management (OMA and PAA)**

Modularity

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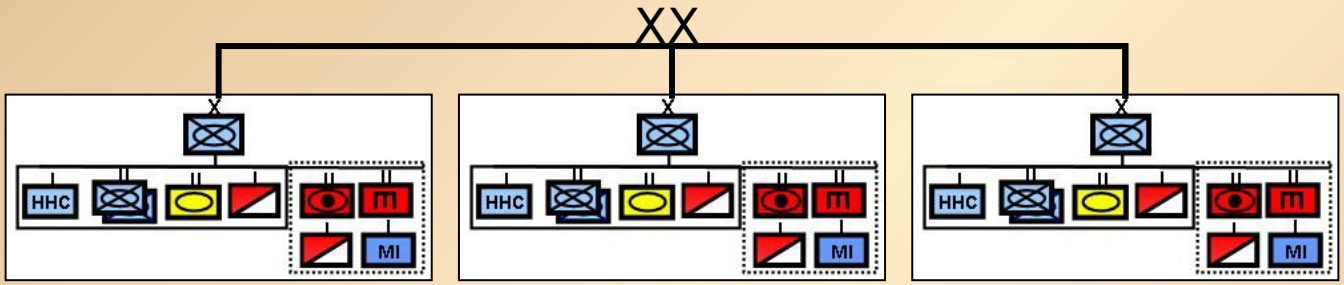
From My Foxhole. . .

Army of Excellence - Division Focused

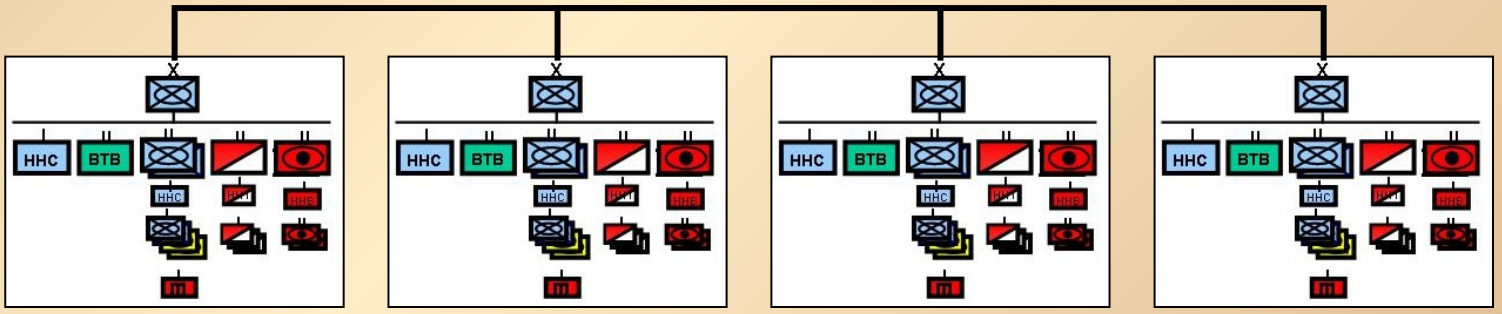
Large, powerful, fixed organizations



Modularity – Brigade Combat Team Focused

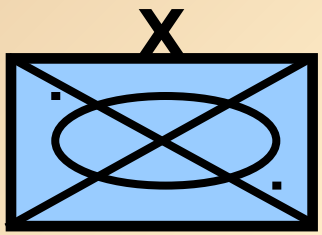
Modular, more deployable, more lethal, self-contained organizations

UEx



Build a campaign-quality Army with **joint and expeditionary capabilities** now to provide relevant and ready landpower. . .

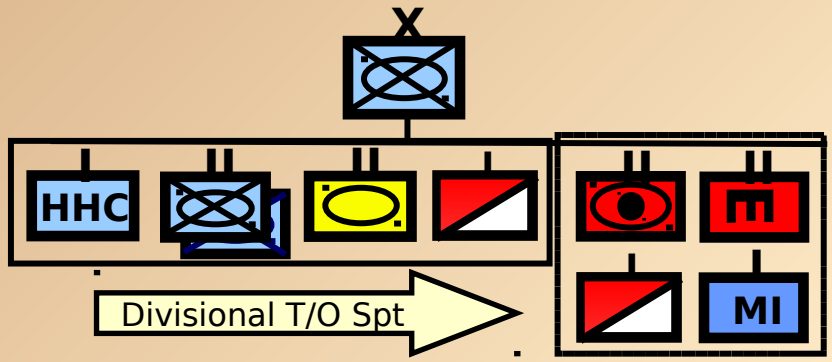
Planning for a Heavy BCT



Type / Location	BCT / ORF	In the Motor Pool	TRADOC	Battle Losses Test Facility Veh	Total Per BCT
Abrams	58 / 2	60	7	3	70
Bradley FoV	120 / 5	125	8	7	140
M113 FoV	119 / 4	123	7	4	134
Paladin / FAASV	16 / 1	17	1	1	19

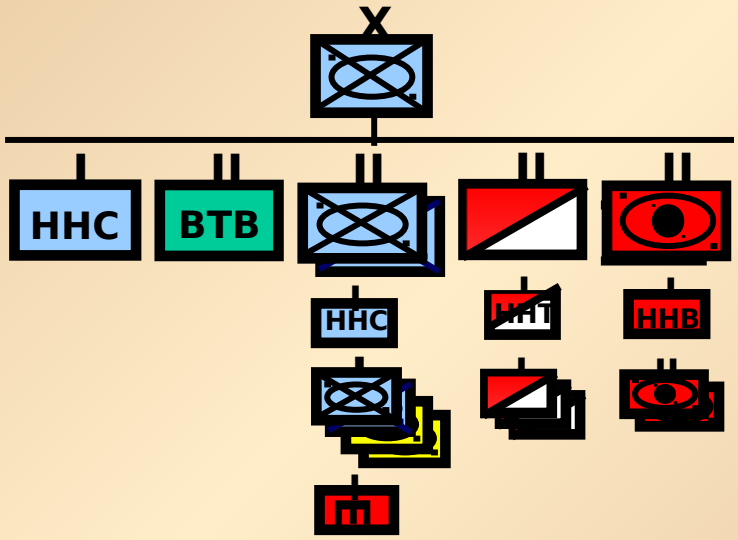
Army of Excellence vs Modular

Mechanized Infantry Brigade



	BDE	Div
Abrams	**45**	**252**
Bradley IFV	**90**	**254**
BFIST	**9**	
M113 FOV	**165**	**522**
Paladin/FAASV	**19**	**57**

Heavy Brigade Combat Team



	BCT	UEx Equiv
Abrams	**60**	**240**
Bradley IFV	**64**	**500**
Bradley CFV	**30**	
BFIST	**12**	
ODS-E	**19**	
M113 FOV	**123**	**492**
Paladin/FAASV	**17**	**68**

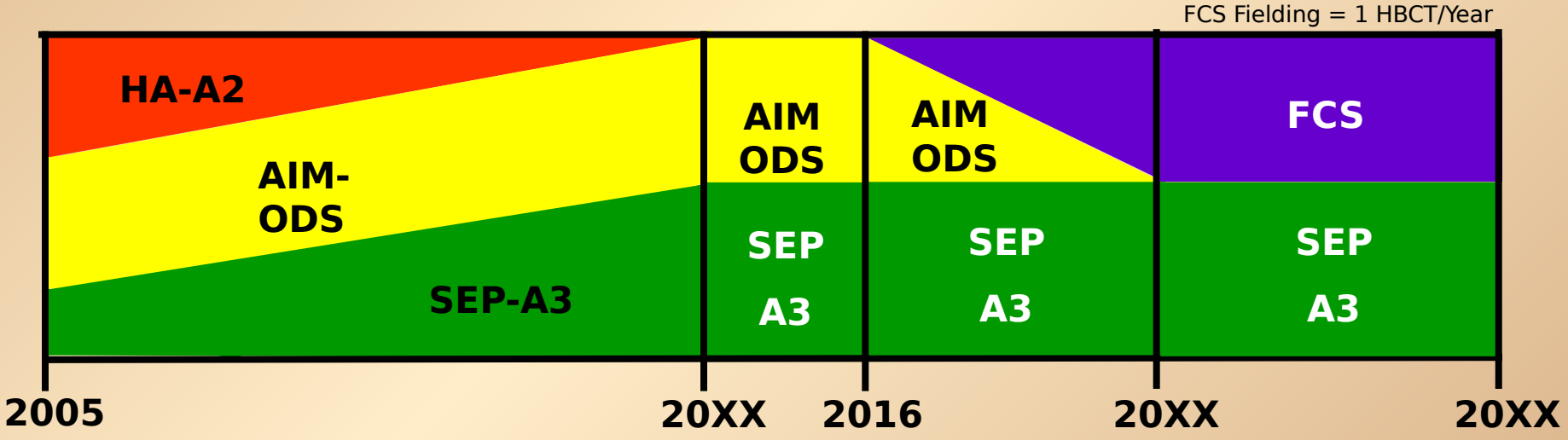
Projected Distribution of HBCT Combat Power

Current Program of Record

13-15-7
BASED ON CURRENT FUNDING
EXECUTABLE

Moving Towards…

18-17
BASED ON ARFORGEN MODEL
SUPPORTS PURE FLEET GOAL



Goal: Two Variant Mixes
M1A2 SEP & M2A3
M1A1 AIM & M2A2 ODS

Sustainment

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Sustainment Goals

1. Improve Operational Readiness
2. Reduce O and S Costs

X. Manage Obsolescence

X. Provide Base for Modernization

X. Tech Insertion (Align with FCS)

X. Maintain Fleet Age

Sustainment

Reconstitution:
- **Restores vehicles to 10/20 status within specified period**
- **Conducted in Unit Motor Pool with Soldier Labor**

RESET (Motor Pool):
- **Restores vehicles w/in Reset period (180 Days and 90%)**
- **Includes Delayed Desert Damage**
- **Includes some Lessons Learned**
- **Contract labor (QA/QC)**

National Level RESET:
- **Includes Depot and OEM partnership**
- **Includes Turret – Hull separation**
- **Overhaul Engine, Transmission and Final Drives**

Recapitalization:
- **Restores service life to 0 hours and 0 miles**
- **Improves Reliability and Maintainability**

Modernization

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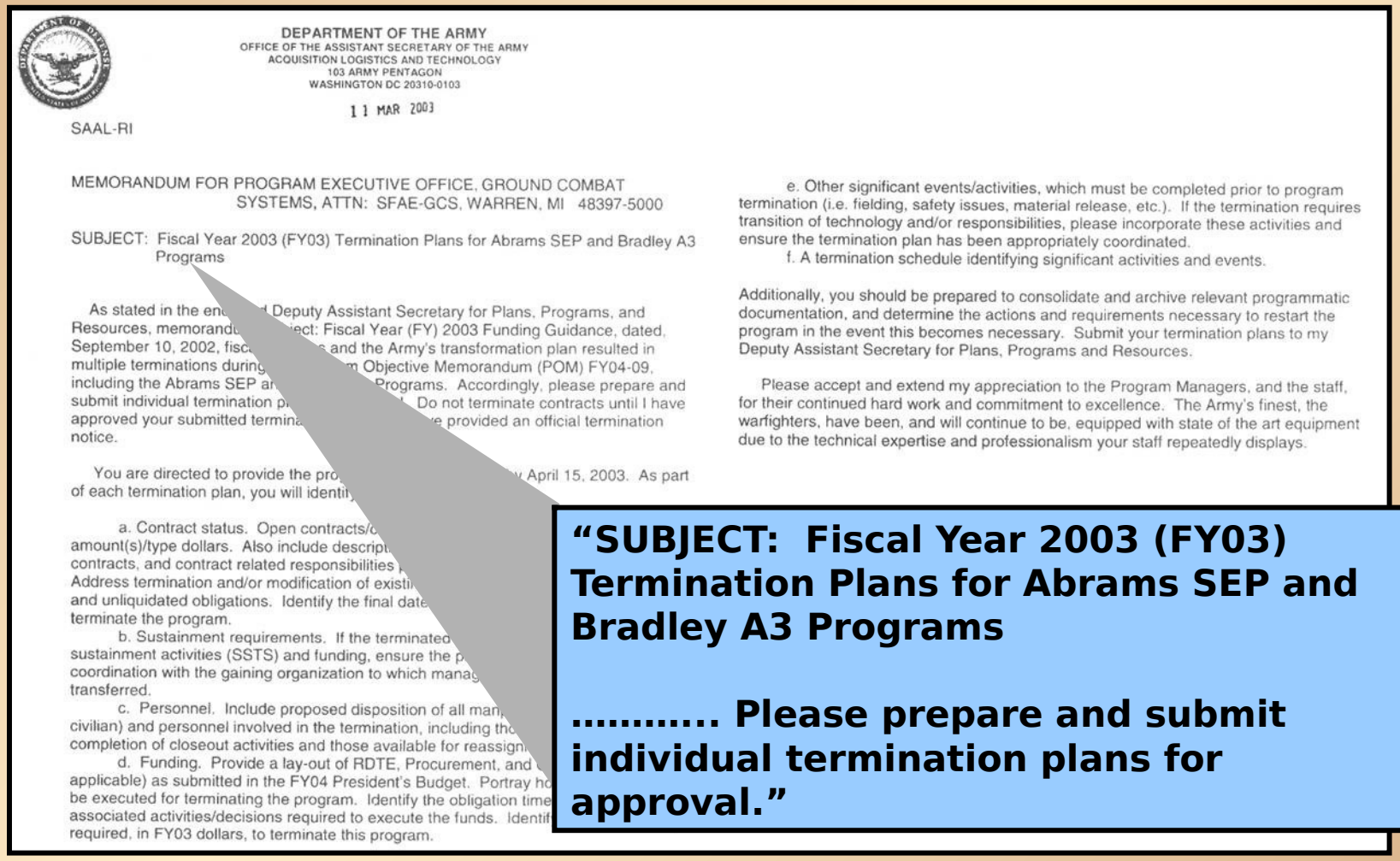
March 11, 2003



DEPARTMENT OF THE ARMY
OFFICE OF THE ASSISTANT SECRETARY OF THE ARMY
ACQUISITION LOGISTICS AND TECHNOLOGY
103 ARMY PENTAGON
WASHINGTON DC 20310-0103

11 MAR 2003

SAAL-RI

MEMORANDUM FOR PROGRAM EXECUTIVE OFFICE, GROUND COMBAT SYSTEMS, ATTN: SFAE-GCS, WARREN, MI 48397-5000

SUBJECT: Fiscal Year 2003 (FY03) Termination Plans for Abrams SEP and Bradley A3 Programs

As stated in the en… Deputy Assistant Secretary for Plans, Programs, and Resources, memorandu… ject: Fiscal Year (FY) 2003 Funding Guidance, dated, September 10, 2002, fisc… and the Army's transformation plan resulted in multiple terminations during… m Objective Memorandum (POM) FY04-09, including the Abrams SEP ar… Programs. Accordingly, please prepare and submit individual termination p… Do not terminate contracts until I have approved your submitted termina… e provided an official termination notice.

You are directed to provide the pro… April 15, 2003. As part of each termination plan, you will identi…

a. Contract status. Open contracts/o… amount(s)/type dollars. Also include descript… contracts, and contract related responsibilities … Address termination and/or modification of existi… and unliquidated obligations. Identify the final date… terminate the program.

b. Sustainment requirements. If the terminated… sustainment activities (SSTS) and funding, ensure the p… coordination with the gaining organization to which manag… transferred.

c. Personnel. Include proposed disposition of all man… civilian) and personnel involved in the termination, including tho… completion of closeout activities and those available for reassign…

d. Funding. Provide a lay-out of RDTE, Procurement, and … applicable) as submitted in the FY04 President's Budget. Portray ho… be executed for terminating the program. Identify the obligation time… associated activities/decisions required to execute the funds. Identif… required, in FY03 dollars, to terminate this program.

e. Other significant events/activities, which must be completed prior to program termination (i.e. fielding, safety issues, material release, etc.). If the termination requires transition of technology and/or responsibilities, please incorporate these activities and ensure the termination plan has been appropriately coordinated.

f. A termination schedule identifying significant activities and events.

Additionally, you should be prepared to consolidate and archive relevant programmatic documentation, and determine the actions and requirements necessary to restart the program in the event this becomes necessary. Submit your termination plans to my Deputy Assistant Secretary for Plans, Programs and Resources.

Please accept and extend my appreciation to the Program Managers, and the staff, for their continued hard work and commitment to excellence. The Army's finest, the warfighters, have been, and will continue to be, equipped with state of the art equipment due to the technical expertise and professionalism your staff repeatedly displays.

"SUBJECT: Fiscal Year 2003 (FY03) Termination Plans for Abrams SEP and Bradley A3 Programs

…… Please prepare and submit individual termination plans for approval."

Modernization

TUSK
TIGER Engine (AGT 1500) 2nd Gen
FLIR
FBCB2
Digital Architecture

Maintain Combat Overmatch

Improve Survivability

Improve Lethality

Improve Power Management

Upgrade Electronics

Integrate SoS Common Operating Environment (SOSCOE)

Implement Common Logistic Operating Environment (CLOE)

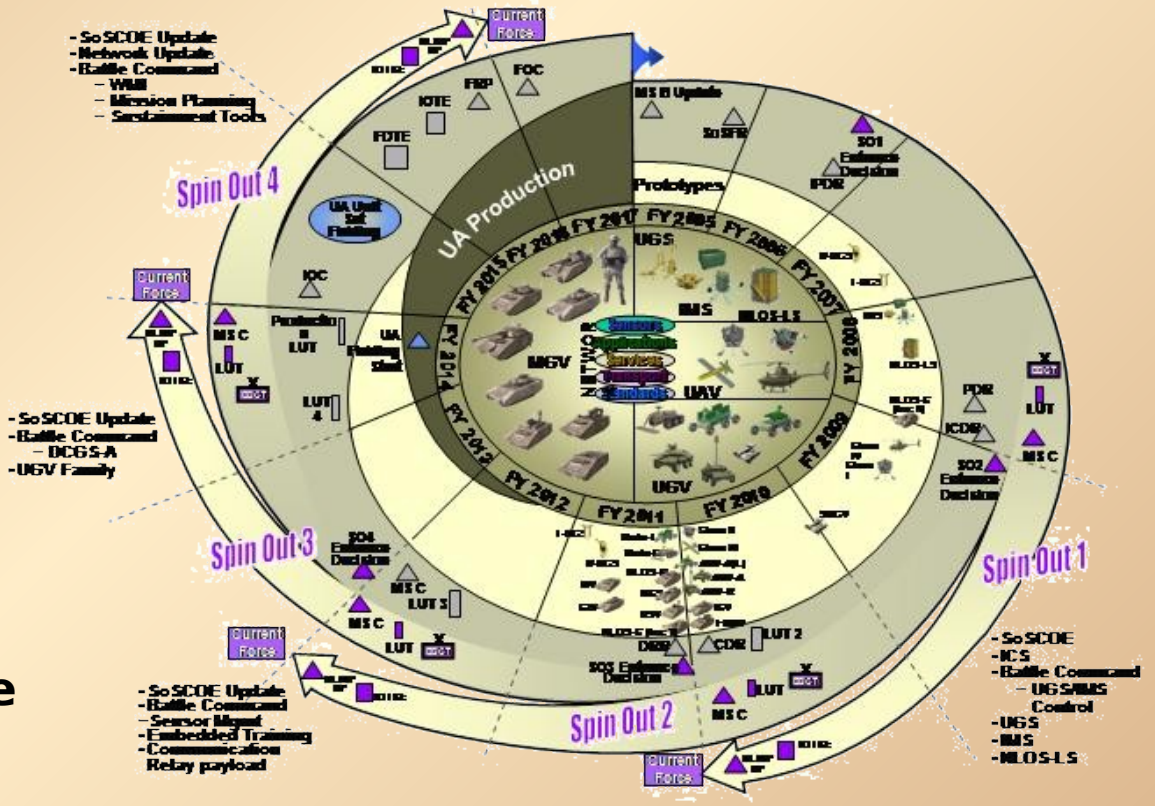
Urban Combat Kit
Improved Transmission
2nd Gen FLIR
FBCB2
Digital Architecture

Upgrade Power Train
T-150 Track
AoA Provisions
Transmission
Vehicle Intercom System

Digital Fire Control
Modular Charge System
Excalibur
Auxilary Power Unit
FS3 Sensor Integration

Long Term Modernization Objectives

- **Compliment, Enable and Leverage FCS Spinouts**
- **Reduce O&S Costs**
- **Vehicle Electronics**
- **Improved Crew Survivability**
- **Manage Obsolescence**
- **Common Logistics Operating Environment**
- **Unit Identification Device**



Current Force Requirements		
Sustain	**Modernize**	**Synchronize with FCS**

Summary

PM Combat Systems is the LCM for HBCT

The HBCT is an integral part of Transformation both Near and Long Term

M2A3 and M1A2 Represent the EBCT Platforms for FCS Spinouts 1-4

Transformation must include a Current Force Modernization Strategy that Compliments FCS

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